

Appln. No.: 10/054,067
Amendment Dated April 26, 2004
Reply to Final Office Action Dated November 26, 2003

CV0110A

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. Cancelled

2. Cancelled.

3. (Previously Presented) The method of claim 9 wherein at least one immunogen is selected from the group consisting of bacterial, viral protozoan, fungal and cellular immunogenic and mixtures thereof.

4. (Currently Amended) The method of claim 3, wherein in the immunogenic-vaccine consists of a mixture of bacterial immunogens, said mixture comprising at least one immunogen from each of the following bacterial strains:

- *Escherichia coli*, *Escherichia coli* (Aerobacter); *Klebsiella pneumonia*;
Pseudomonas aeruginosa; *Salmonella typhimurium*; *Salmonella*
Shigella dysenteriae;
Salmonella enteritidis *enteritidis*; *Salmonella* *Staphylococcus* *epidermidis*;
Salmonella *Staphylococcus* *simulans*; *Streptococcus pyogenes*, type 1;
Streptococcus pyogenes, type 3; *Streptococcus*
pyogenes, type 5; *Streptococcus pyogenes*, type 8; *Streptococcus*
pyogenes, type 12; *Streptococcus pyogenes*, type 14; *Streptococcus*
pyogenes, type 18
Streptococcus pyogenes, type 22; *Pseudomonas* *Proteus* *vulgaris*;
Streptococcus agalactiae; *Streptococcus mitis*; *Streptococcus mutans*;
Streptococcus salavarius; *Streptococcus sanguis*; *Streptococcus*
pneumoniae; *Propionibacterium acnes*; and *Haemophilus*
influenzae.

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5. (Previously Presented) The method of claim 10 wherein at least one immunogen-coding DNA construct is selected from the group consisting of fragments of naked DNA, plasmid DNA, viral DNA, bacterial DNA, DNA expression libraries, DNA-RNA immunogens, DNA-protein conjugates and DNA liposome conjugates, and mixtures thereof.
6. (Previously Presented) The method of claim 9 wherein the effective amount of the egg or egg product administered to the subject animal ranges from 0.5 - 6 grams of egg or egg product per kilogram of subject animal weight per day.
7. (Previously Presented) The method of claim 6, wherein the effective amount of the egg or egg product administered to the subject animal is 4 grams of egg or egg product per kilogram of subject animal weight.
8. (Previously Presented) The method of claim 9 wherein the egg product is administered parenterally, subcutaneously, intravenously, intramuscularly, intraperitoneally, intranasally, orally or topically.
9. (Currently Amended) A method for treating and preventing diarrheal symptoms in a subject animal, the method comprising hyperimmunizing an egg-producing animal, collecting egg or egg product from an egg of the hyperimmunized egg-producing animal, and administering an effective amount of the egg or egg product to the subject animal, wherein hyperimmunizing the egg-producing animal comprises treating the egg-producing animal with a vaccine comprising at least one immunogen from an organism, and wherein the subject animal is free of infection from the immunogen organism.
10. (Previously Presented) A method for treating diarrheal symptoms in a subject animal, the method comprising hyperimmunizing an egg-producing animal, collecting egg or egg product from an egg of the hyperimmunized egg-producing animal, and administering an effective amount of the egg or egg product to the subject animal, wherein hyperimmunizing the egg-producing animal comprises treating the egg-producing animal with a vaccine comprising at least one immunogen-coding DNA construct, and wherein the subject animal is free of infection from the immunogen-coding DNA construct.

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11. (Previously Presented) The method of claim 10 wherein the egg or egg product is administered parenterally, subcutaneously, intravenously, intramuscularly, intraperitoneally, intranasally, orally or topically.

12. (Previously Presented) The method of claim 10 wherein the effective amount of the egg or egg product administered to the subject animal ranges from 0.5 - 6 grams of egg or egg product per kilogram of subject animal weight per day.

13. (Previously Presented) The method of claim 12 wherein the effective amount of the egg or egg product administered to the subject animal is 4 grams of egg or egg product per kilogram of subject animal weight.